



SEQUENCE LISTING

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<120> ADENO-ASSOCIATED VIRUS-MEDIATED DELIVERY OF ANGIOGENIC
FACTORS

<130> AVIG-026/01US (0800-0026)

<140> 09/932,451

<141> 2001-08-17

<150> 60/226,056

<151> 2000-08-17

<160> 4

<170> PatentIn Ver. 2.0

<210> 1

<211> 576

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: VEGF-165

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<221> CDS

<222> (1)..(576)

<400> 1

atg	aac	ttt	ctg	ctg	tct	tgg	gtg	cat	tgg	agc	ctt	gcc	ttg	ctg	ctc	48
Met	Asn	Phe	Leu	Leu	Ser	Trp	Val	His	Trp	Ser	Leu	Ala	Leu	Leu	Leu	
1				5					10					15		

tac	ctc	cac	cat	gcc	aag	tgg	tcc	cag	gct	gca	ccc	atg	gca	gaa	gga	96
Tyr	Leu	His	His	Ala	Lys	Trp	Ser	Gln	Ala	Ala	Pro	Met	Ala	Glu	Gly	
			20					25					30			

gga	ggg	cag	aat	cat	cac	gaa	gtg	gtg	aag	ttc	atg	gat	gtc	tat	cag	144
Gly	Gly	Gln	Asn	His	His	Glu	Val	Val	Lys	Phe	Met	Asp	Val	Tyr	Gln	
		35					40					45				

cgc	agc	tac	tgc	cat	cca	atc	gag	acc	ctg	gtg	gac	atc	ttc	cag	gag	192
Arg	Ser	Tyr	Cys	His	Pro	Ile	Glu	Thr	Leu	Val	Asp	Ile	Phe	Gln	Glu	
	50					55					60					

tac	cct	gat	gag	atc	gag	tac	atc	ttc	aag	cca	tcc	tgt	gtg	ccc	ctg	240
Tyr	Pro	Leu	Ala	Gly	Thr	Ile	Phe	Leu	Pro	Ser	Cys	Val	Pro	Leu		

act gag gag tcc aac atc acc atg cag att atg cgg atc aaa cct cac	336
Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His	
100 105 110	
caa ggc cag cac ata gga gag atg agc ttc cta cag cac aac aaa tgt	384
Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys	
115 120 125	
gaa tgc aga cca aag aaa gat aga gca aga caa gaa aat ccc tgt ggg	432
Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly	
130 135 140	
cct tgc tca gag cgg aga aag cat ttg ttt gta caa gat ccg cag acg	480
Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr	
145 150 155 160	
tgt aaa tgt tcc tgc aaa aac aca gac tcg cgt tgc aag gcg agg cag	528
Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln	
165 170 175	
ctt gag tta aac gaa cgt act tgc aga tgt gac aag ccg agg cgg tga	576
Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg	
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: VEGF-165

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Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly	
20 25 30	
Gly Gly Gln Asn His His Glu Val Val Lys Phe Met Asp Val Tyr Gln	
35 40 45	
Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu	
50 55 60	
Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu	
65 70 75 80	
Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro	
85 90 95	
Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His	
100 105 110	

